

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A transport stream recording apparatus comprising:
an input unit operable to input a transport packet constituting said transport stream;
a generator operable to generate program sequence information indicative of a) an interval in which a program attribute the number of video and/or audio elementary streams in
said transport stream does not change or b) an interval in which a coding attribute of each
video and/or audio stream in said transport stream does not change; and
a recording unit operable to record said program sequence information along with said
transport stream.

Claim 2 (Original): A transport stream recording apparatus according to claim 1,
wherein said generator generates program sequence information indicative of the sequence of
transport packets that includes no PCR PID discontinuity.

Claims 3-5 (Canceled).

Claim 6 (Original): A transport stream recording apparatus according to claim 5,
wherein said coding attribute includes video frame frequency.

Claim 7 (Original): A transport stream recording apparatus according to claim 5,
wherein said coding attribute includes aspect ratio.

Claim 8 (Original): A transport stream recording apparatus according to claim 5,
wherein said coding attribute includes audio coding method.

Claim 9 (Original): A transport stream recording apparatus according to claim 5, wherein said coding attribute includes audio component type.

Claim 10 (Original): A transport stream recording apparatus according to claim 5, wherein said coding attribute includes sampling frequency.

Claim 11 (Currently Amended): A transport stream recording method, comprising ~~the steps of~~:

receiving a transport packet constituting said transport stream;
generating program sequence information indicative of a) an interval in which a ~~program attribute~~ the number of video and/or audio elementary streams in said transport stream does not change or b) an interval in which a coding attribute of each video and/or audio stream in said transport stream does not change; and
recording said program sequence information along with said transport stream.

Claims 12-13 (Canceled).

Claim 14 (Currently Amended): A computer readable storage medium having a including computer program executable code mechanism embedded in the computer readable storage medium for performing a method for recording a transport stream, the computer program code mechanism performing ~~the steps of~~:

receiving a transport packet, said transport stream including said transport packet;
generating program sequence information indicative of a) an interval in which a ~~program attribute~~ the number of video and/or audio elementary streams in said transport

stream does not change or b) an interval in which a coding attribute of each video and/or audio stream in said transport stream does not change; and
recording said program sequence information along with said transport stream.

Claims 15-16 (Canceled).